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WPI Acc No: 1987-328325/198747

Priming wood with primer hardenable by UV-radiation -
comprises preliminary application of isocyanate gp.-contg. cpd. to
improve adhesion of primer esp. on exotic woods

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3616434	A	19871119	DE 3616434	A	19860515	198747 B
DE 3616434	C2	19930701	DE 3616434	A	19860515	199326

Priority Applications (No Type Date): DE 3616434 A 19860515

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3616434	A		4		
DE 3616434	C2		5	B05D-007/06	

DE 3616434 A

Abstract (Basic): DE 3616434 A

The novelty consists in preliminarily applying an isocyanate gp.-contg. cpd. (I). The Uv.hardenable primers are esp. unsatd. acrylate prepolymers contg. photo-initiators, partic. polyurethane-, epoxy- and polyester-acrylates dissolved in reactive diluents.

(a) (I) are esp.: 'Desmodur N' (RTM : biuret of hexamethylene diisocyanate), 'Desmodur N 3390' (RTM : isocyanurate of hexamethylene diisocyanate), 'Desmodur L' (RTM : reaction prod. of trimethylol-propane with toluylene diisocyanate), 'Desmodur HL' (RTM : reaction prod. of toluylene diisocyanate with hexamethylene diisocyanate), 'Desmodur IL' (RTM : higher mol.wt. cyclic toluylene diisocyanate). (b) (I), used in amts. of 5-10 g/sq.m, is pre-rolled on the wood. (c) The photo-initiator is esp. benzyl-dimethyl-ketal, in amts. of 5 wt.% w.r.t. the total amt.

ADVANTAGE - The adhesion of a Uv.-hardenable primer on wood, esp. exotic wood, is improved appreciably by applying (I), as primer-adhesive, on the wood, before the primer.

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Abstract (Equivalent): DE 3616434 C

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Derwent Class: A82; E14; F09; G02; P42; P63

International Patent Class (Main): B05D-007/06

International Patent Class (Additional): B27K-003/50; C09D-003/72;